

## AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [31] on page 7 with the following rewritten paragraph.

Sample collection portion 14 includes a main body section 28, a portion of the internal volume of which forms a sample chamber 30 in which the filtered, expired gases is collected for measurements to be taken thereof, as more fully described below. It is currently preferred that sample collection portion ~~30-14~~ is formed of polycarbonate. Sample collection portion 14 further includes a first side portion 32, a portion of an outer surface 34 of that is coupled with second downstream end 20 of filter portion 12 in a fluid-tight and gas-tight manner. Similar to the coupling of outer wall 24 of gas sampling line 26 to inner wall 22 of first upstream end 18 of housing 16, outer surface 34 of first side portion 32 defines a perimeter that substantially approximates the inner perimeter of second downstream end 20 of housing 16, such inner perimeter of second downstream end 20 being defined by an inner wall 36 thereof. Accordingly, outer surface 34 and inner wall 36 are coupled by a fluid-tight and gas-tight arrangement, as known to those skilled in the art.

Please replace paragraph [02] on page 18 with the following rewritten paragraph, and renumber this paragraph as paragraph "[64]" as indicated below.

~~[02]~~~~[64]~~ FIG. 7 illustrates a gas sampling assembly 90 that is similar to that shown in FIG. 5, including a filter portion 12" and a sample collection portion 14"". In this embodiment, unlike that of FIG. 5, the passage in main body section 28"" includes a "Z" shaped path through a sample chamber 30", as indicated by arrows 92 and 94. Sample chamber 30 includes open ends with a window disposed at each open end so that irradiation 96 can be passed through the sample chamber. An inlet portion 98 of the passage communicates the outlet of filter portion 12" with the sample chamber. This "Z" shaped configuration for the optical sampling portion of the sample

collection portion is described in co-pending US patent application no. 60/416,875, the contents of which are incorporated herein by reference. It is to be understood that other configurations for the sample collection portion and the passage therethrough are contemplated by the present invention.

Please renumber paragraph [03] on page 18 as paragraph “[65]” as indicated below.

~~[03]~~[65] Although the invention has been described in detail for the purpose of illustration based on what is currently considered to be the most practical and preferred embodiments, it is to be understood that such detail is solely for that purpose and that the invention is not limited to the disclosed embodiments, but, on the contrary, is intended to cover modifications and equivalent arrangements that are within the spirit and scope of the appended claims.